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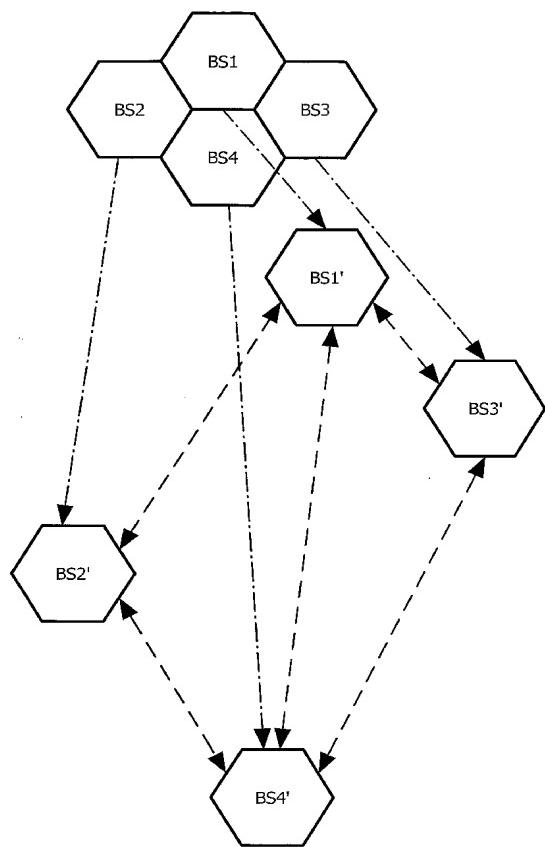
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(54) Title: POSITIONING SYSTEMS



(57) Abstract: The invention provides a method for installing a positioning system, the positioning system comprising two or more base stations (BS1 to BS4), and comprises the steps of; collocating the base stations (BS1 to BS4); quantifying any lack of synchronisation between the clocks of the base stations; relocating one or more of the base stations (BS2' to BS4') to their fixed, operational positions and measuring the time of flight of a signal from each of the relocated base stations; determining from the time of flight and quantified lack of synchronisation data the relative separation of the base stations (BS1, BS2' to BS4') and hence the configuration of the installed positioning system, and recording the configuration of the installed positioning system. Data defining the configuration of the system can be relayed to a mobile transceiver in the vicinity of the installed positioning system and, along with time of flight measurements of signals emitted by the individual base stations, and data quantifying any real time lack of synchronisation of the clocks of the base stations, can be used by the transceiver to position itself within the geographical area defined by the positioning system.

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